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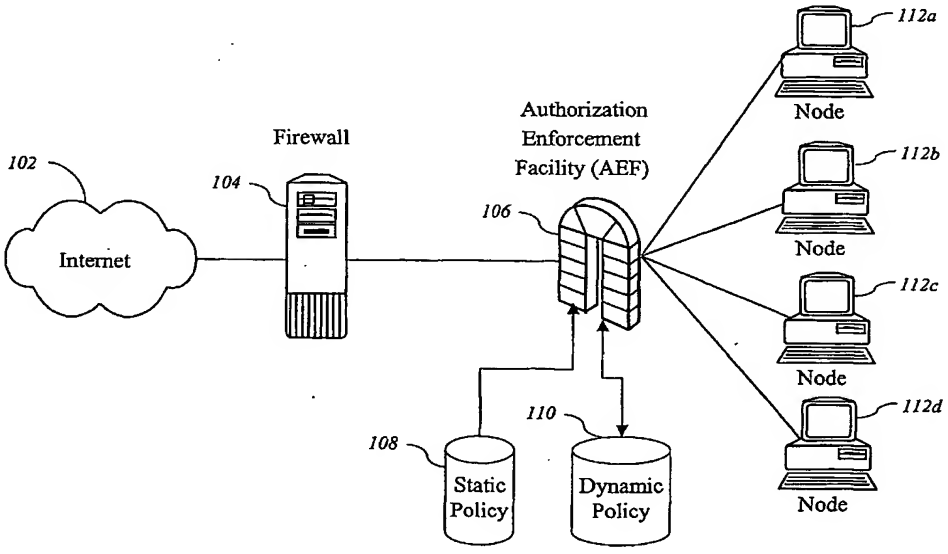
(54) Title: SYSTEMS AND METHODS FOR DYNAMIC AND RISK-AWARE NETWORK SECURITY



(57) Abstract: Systems and methods for dynamic and risk-aware network security are described. In one embodiment, a system dynamically assesses whether a connection over a communications medium (102) is anomalous (suspicious, malicious, deviating from normal behavior, fits a certain profile or pattern, or has the potential to be any one of these) and generates an appropriate response depending on whether the connection is deemed to be normal or anomalous for a specified period of time. The types of responses include, but are not limited to, blocking the source of the connection from connecting to its intended destination, altering the destination of the connection, auditing the connection, or any combination of these.

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